

## MasterProtect P 8100AP

Version 1.0      Revision Date: 07/15/2020      SDS Number: 000000261398      Date of last issue: -  
Date of first issue: 07/15/2020

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**SECTION 1. IDENTIFICATION**

Product name : MasterProtect P 8100AP  
Product code : 000000000050341562 000000000050341562  
Other means of identification : No data available

**Manufacturer or supplier's details**

Company name of supplier : Master Builders Solutions Canada Inc.  
Address : 1800 CLARK BLVD  
Brampton ON L6T 4M7  
Emergency telephone : ChemTel: +1-813-248-0585;

**Recommended use of the chemical and restrictions on use**

Recommended use : Product for construction chemicals  
Restrictions on use : Reserved for industrial and professional use.

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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

FLAMMABLE LIQUIDS : 2  
Skin corrosion/irritation : 2  
Serious eye damage/eye irritation : Category 2A  
Skin sensitization : 1  
Carcinogenicity : 2  
Specific target organ toxicity - repeated exposure : 2 (Auditory organ)  
Short-term (acute) aquatic hazard : 1  
Long-term (chronic) aquatic hazard : 1

**GHS label elements**

Hazard pictograms :



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Signal Word : Danger

Hazard Statements : H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs (Auditory organ) through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.  
P201 Obtain special instructions before use.  
P243 Take action to prevent static discharges.  
P202 Do not handle until all safety precautions have been read and understood.  
P241 Use explosion-proof [electrical/ ventilating/ lighting/ .?] equipment.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P233 Keep container tightly closed.  
P242 Use only non-sparking tools.  
P240 Ground and bond container and receiving equipment.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.  
P391 Collect spillage.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

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**Storage:**

P405 Store locked up.  
P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

P501 Dispose of contents/container to appropriate hazardous waste collection point.

**Other hazards**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : No applicable information available.

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
zinc	7440-66-6	>= 50 - < 75
Methylethylketone	78-93-3	>= 7 - < 10
xylene	1330-20-7	>= 7 - < 10
Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)	25068-38-6	>= 5 - < 7
ethylbenzene	100-41-4	>= 1 - < 3
cyclohexanone	108-94-1	>= 1 - < 3
talc	14807-96-6	>= 1 - < 3

**SECTION 4. FIRST AID MEASURES**

General advice : Remove contaminated clothing.  
Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : Keep patient calm, remove to fresh air, seek medical attention.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Wash thoroughly with soap and water  
If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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- Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
- Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Suspected of causing cancer.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.

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- Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage : no smoking  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place.  
Protect from direct sunlight.
- Materials to avoid : Segregate from metals.  
Segregate from lyes.

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Segregate from oxidants.  
 Segregate from foods and animal feeds.

Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methylethylketone	78-93-3	STEL value	300 ppm	ACGIHTLV
		TWA value	200 ppm	ACGIHTLV
		REL value	200 ppm 590 mg/m3	NIOSH
		STEL value	300 ppm 885 mg/m3	NIOSH
		PEL	200 ppm 590 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	200 ppm 590 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	300 ppm 885 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	200 ppm 590 mg/m3	CA AB OEL
		STEL	300 ppm 885 mg/m3	CA AB OEL
		TWA	50 ppm	CA BC OEL
		STEL	100 ppm	CA BC OEL
		TWAEV	50 ppm 150 mg/m3	CA QC OEL
		STEV	100 ppm 300 mg/m3	CA QC OEL
TWA	200 ppm	ACGIH		
STEL	300 ppm	ACGIH		
ethylbenzene	100-41-4	TWA value	20 ppm	ACGIHTLV
		STEL value	125 ppm 545 mg/m3	NIOSH
		REL value	100 ppm 435 mg/m3	NIOSH
		PEL	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
STEL value	125 ppm 545 mg/m3	29 CFR 1910.1000		

**SAFETY DATA SHEET**

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				(Table Z-1-A)
		TWA	100 ppm 434 mg/m3	CA AB OEL
		STEL	125 ppm 543 mg/m3	CA AB OEL
		TWA	20 ppm	CA BC OEL
		STEV	125 ppm 543 mg/m3	CA QC OEL
		TWAEV	100 ppm 434 mg/m3	CA QC OEL
		TWA	20 ppm	ACGIH
cyclohexanone	108-94-1	TWA value	20 ppm	ACGIHTLV
		STEL value	50 ppm	ACGIHTLV
		REL value	25 ppm 100 mg/m3	NIOSH
		PEL	50 ppm 200 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	25 ppm 100 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	20 ppm 80 mg/m3	CA AB OEL
		STEL	50 ppm 200 mg/m3	CA AB OEL
		TWA	20 ppm	CA BC OEL
		STEL	50 ppm	CA BC OEL
		TWAEV	25 ppm 100 mg/m3	CA QC OEL
		TWA	20 ppm	ACGIH
		STEL	50 ppm	ACGIH
zinc oxide	1314-13-2	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		STEL value (Respirable fraction)	10 mg/m3	ACGIHTLV
		REL value (fumes/smok e)	5 mg/m3	NIOSH
		REL value (dust)	5 mg/m3	NIOSH
		STEL value (fumes/smok e)	10 mg/m3	NIOSH
		Ceil_Time (dust)	15 mg/m3	NIOSH
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)

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		PEL (fumes/smoke)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (fumes/smoke)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value (fumes/smoke)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable)	2 mg/m3	CA AB OEL
		STEL (Respirable)	10 mg/m3	CA AB OEL
		TWA (Respirable)	2 mg/m3	CA BC OEL
		STEL (Respirable)	10 mg/m3	CA BC OEL
		TWAEV (Fumes)	5 mg/m3	CA QC OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL
		STEV (Fumes)	10 mg/m3	CA QC OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
xylene	1330-20-7	TWA value	100 ppm	ACGIHTLV
		STEL value	150 ppm	ACGIHTLV
		PEL	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	150 ppm 655 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		REL value	100 ppm 435 mg/m3	NIOSH
		STEL value	150 ppm 655 mg/m3	NIOSH
		TWA	100 ppm 434 mg/m3	CA AB OEL

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		STEL	150 ppm 651 mg/m <sup>3</sup>	CA AB OEL
		TWAEV	100 ppm 434 mg/m <sup>3</sup>	CA QC OEL
		STEV	150 ppm 651 mg/m <sup>3</sup>	CA QC OEL
		TWA	100 ppm	CA BC OEL
		STEL	150 ppm	CA BC OEL
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
aluminium oxide	1344-28-1	TWA value (Respirable fraction)	1 mg/m <sup>3</sup>	ACGIHTLV
		PEL (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (total dust)	10 mg/m <sup>3</sup> (Aluminum)	CA QC OEL
		TWA (Respirable)	1 mg/m <sup>3</sup> (Aluminum)	CA BC OEL
		TWA (Respirable particulate matter)	1 mg/m <sup>3</sup> (Aluminum)	ACGIH
talc	14807-96-6	TWA value (Respirable fraction)	2 mg/m <sup>3</sup>	ACGIHTLV
		TWAEV (fibers)	1 fibres per cubic centimeter	CA QC OEL
		TWAEV (respirable dust)	3 mg/m <sup>3</sup>	CA QC OEL
		TWA	0.1 fibres per cubic centimeter	CA BC OEL
		TWA (Respirable particulates)	2 mg/m <sup>3</sup>	CA AB OEL
		TWA (Respirable)	2 mg/m <sup>3</sup>	CA BC OEL
		TWA	2 fibres per cubic centimeter	CA ON OEL
		TWA (Respirable fraction)	2 mg/m <sup>3</sup>	CA ON OEL

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		TWA	0.1 fibres per cubic centimeter	ACGIH
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH

**Engineering measures** : No applicable information available.

**Personal protective equipment**

**Respiratory protection** : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

**Hand protection**

**Remarks** : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection** : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Protective measures** : Avoid contact with the skin, eyes and clothing.  
 In order to prevent contamination while handling, closed working clothes and working gloves should be used.  
 Handle in accordance with good building materials hygiene and safety practice.

**Hygiene measures** : When using do not eat or drink.  
 When using do not smoke.  
 Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : liquid

**Color** : gray

**Odor** : solvent

**pH** : neutral to slightly alkaline

**Freezing point** : No applicable information available.

**Boiling point** : 79.44 - 141.11 °C

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Flash point	:	4.44 °C
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	not determined
Upper explosion limit / Upper flammability limit	:	13.7 %(V)
Lower explosion limit / Lower flammability limit	:	1.0 %(V)
Relative vapor density	:	Heavier than air.
Relative density	:	2.04
Density	:	2.04 g/cm <sup>3</sup> (20 °C) approx. 16.97 lb/USg (20 °C)
Solubility(ies) Solubility in other solvents	:	No applicable information available.
Autoignition temperature	:	No data available
Viscosity Viscosity, kinematic	:	No applicable information available.
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No applicable information available.
Molecular weight	:	No data available.

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong bases Strong acids Oxidizing agents
Hazardous decomposition products	:	carbon oxides

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization****Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Suspected of causing cancer.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

May cause damage to organs (Auditory organ) through prolonged or repeated exposure.

**Aspiration toxicity**

Not classified based on available information.

**Experience with human exposure****Product:**

General Information : Remarks: According to experience, the product is considered to be harmless to health if used in the correct manner.

**Further information****Product:**

Remarks : Solvents may degrease the skin.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****zinc:**

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

**Methylethylketone:**

Partition coefficient: n-octanol/water : log Pow: 0.29  
Method: other (measured)  
GLP: no data  
Remarks: Information taken from reference works and the literature.

**xylene:**

Partition coefficient: n-octanol/water : log Pow: 3.12 - 3.20 (25 °C)  
Method: other (calculated)  
GLP: no  
Remarks: Information taken from reference works and the literature.

**ethylbenzene:**

Partition coefficient: n-octanol/water : Pow: 4,170 (20 °C)  
log Pow: 3.6 (20 °C)  
pH: 7.8  
Method: Partition coefficient  
GLP: yes

**cyclohexanone:**

Partition coefficient: n-octanol/water : log Pow: 0.86 (25 °C)  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: no

**talc:**

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Partition coefficient: n-octanol/water : Remarks: not applicable

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with national, state and local regulations.  
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

UN number : UN 1139  
Proper shipping name : COATING SOLUTION  
(METHYLETHYLKETONE, )  
Class : 3  
Packing group : II  
Labels : 3

**IATA-DGR**

UN/ID No. : UN 1139  
Proper shipping name : COATING SOLUTION  
Class : 3  
Packing group : II  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353

**IMDG-Code**

UN number : UN 1139  
Proper shipping name : COATING SOLUTION

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Class	: 3
Packing group	: II
Labels	: 3
EmS Code	: F-E, S-E
Marine pollutant	: yes

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****TDG**

UN number	: UN 1139
Proper shipping name	: COATING SOLUTION

Class	: 3
Packing group	: II
Labels	: 3
ERG Code	: 127
Marine pollutant	: no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****The ingredients of this product are reported in the following inventories:**

DSL	: All components of this product are on the Canadian DSL
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**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

29 CFR 1910.1000 (Table Z-1-A)	: OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-1)	: OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	: American Conference of Governmental Industrial Hygienists - threshold limit values (US)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	: Canada. British Columbia OEL
CA ON OEL	: Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	: Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
NIOSH	: NIOSH Pocket Guide to Chemical Hazards (US)
29 CFR 1910.1000 (Table Z-1)	: Short Term Exposure Limit (STEL):

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1-A) / STEL value  
 29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):  
 29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit  
 ACGIH / TWA : 8-hour, time-weighted average  
 ACGIH / STEL : Short-term exposure limit  
 ACGIHLV / STEL value : Short Term Exposure Limit (STEL):  
 ACGIHLV / TWA value : Time Weighted Average (TWA):  
 CA AB OEL / TWA : 8-hour Occupational exposure limit  
 CA AB OEL / STEL : 15-minute occupational exposure limit  
 CA BC OEL / TWA : 8-hour time weighted average  
 CA BC OEL / STEL : short-term exposure limit  
 CA ON OEL / TWA : Time-Weighted Average Limit (TWA)  
 CA QC OEL / TWA EV : Time-weighted average exposure value  
 CA QC OEL / STEV : Short-term exposure value  
 NIOSH / Ceil\_Time : Ceiling Limit Value and Time Period (if specified):  
 NIOSH / REL value : Recommended exposure limit (REL):  
 NIOSH / STEL value : Short Term Exposure Limit (STEL):

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Revision Date : 07/15/2020

**MasterProtect P 8100AP**

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